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ABSTRACT

All materials in the Upper Mississippi River ECO-Center bibliography are classified by Dewey Decimal number, so the listings for each section are organized in ascending order by Dewey number, and within Dewey classification, are roughly alphabetical by author. The bibliography includes some 400 citations with sections on books, curriculum aids, audio-visual aids, kits, and games and other materials. Entries for most items include the title and author or publisher. Some entries have a level indicator, publication date, material type, and duration (for films). There is a list by Dewey number of the areas covered by the Center's pamphlet file. A classification index indicates which kind of educational material is available for each Dewey classification. Appendices include lists of sources of free loan film catalogs and environmental education curriculum materials; an annotated list of ECO-Center curriculum materials; an index of free and inexpensive curriculum materials; and a list of equipment for loan from the ECO-Center. (SB)

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# A SELECT BIBLIOGRAPHY
# OF
# ENVIRONMENTAL EDUCATION MATERIALS

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TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC) AND USERS OF THE ERIC SYSTEM."

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1976

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FORWARD

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DENNIS ETNYRE, DIRECTOR

This miniography was developed because there was a need to get a listing of EE materials available from the ECO-Center Cooperative to each teacher. A complete bibliography with descriptions should be in each school's reference center.

All materials may be borrowed by teachers or students in the cooperative. Materials are distributed through the Carroll County Educational Service Region's film library. Materials will be mailed or delivered to member districts outside Carroll County. Please order by item, page number and classification number, or what type of material you need.

The Upper Mississippi River ECO-Center is an environmental education cooperative serving ten districts in Northwestern Illinois. The program started in 1972 and is administered by the Carroll County E.S.R. The center works with all grade levels K-12 with major emphasis at the intermediate level.

Visitors are always welcome. Offices are located in Thomson, Illinois, along Route 84. Field programs

are offered during September, October, November, and April; with overnight camping in May. High school ecology adventure courses are offered in June.

PRINTED ON RECYCLED PAPER

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Grade Level of Materials

Some materials are listed by recommended grade level; for others initials are used:

P - Primary
I - Intermediate
J - Junior High School
S - Senior High School

BOOKS - BIBLIOGRAPHY OF ECO-CENTER BOOKS

001 Community Resources
Wurman, Richard Saul
Yellow Pages of Learning Resources. Semline Inc. 1972

002 Innovative Programs Directory
U. S. Dept. of Health, Education, and Welfare
Pacesetters in Innovation

016 Bibliographies and Catalogs
George Peabody College for Teachers
Free and Inexpensive Learning Materials
Salisbury, Gordon
Catalog of Free Teaching Materials. Rubidour Printing Co.
Thrasher, C. R., Ed.
Sources of Reference Materials and Audio-visual Aids for Environmental Education. Interdisciplinary Environmental Education K-12 Project, IEE Office, Noval High School, Fort Lauderdale, Fla.

069 Museum Science
Sloane, Eric
A Museum of Early American Tools

092 Critical Appraisal
Hickle, Walter J.
Who Owns America?

155.2 Values Clarification
Simon, Sidney
Values Clarification. Hart Publishing

301 Sociology
Platt, John B.
Perception and Change. University of Michigan Press

301.3 Ecology and Community
Commoner, Barry
The Closing Circle. Knopf

301.975 Folklore
Wiggington, Eliot, Ed.
The Foxfire Book, Foxfire Book 2, Foxfire Book 3

333.9 Utilization of Natural Resources
Shoman, Joseph J.
Wildlife Habitat Improvement. National Audubon Society

370 Education (Environmental Studies)
Benton, Allen H.
Manual of Field Biology and Ecology. Burgess Publishing Co.

Henson, Collins M.
Your Environment: Air, Air Pollution & Weather. The Interstate Printers and Publishers

Milliken, Margaret
Field Manual for Outdoor Learning. Burgess Publishing Co.

Swan, Malcolm D., Ed.
Tips and Tricks in Outdoor Education. I/J. The Interstate Printers and Publishers

Victor, Edward
Readings in Science Education for the Elementary School. MacMillan Co.

371.3 Environmental Education - Curriculum Guides, Units, Activities and Methods

A. Curriculum Guides or Units

Brennan, Matthew J., Ed.
Teachers Curriculum Guides to Conservation Education. J. G. Ferguson Publishing Co.
Volumes Grades 1-2-3, 4-5-6
Biology
Outdoor Labratory 1-12
Science 7-8-9
Social Studies 7-8-9, 10-11-12

Center for Development of Environmental Curriculum
Environmental Learning Experiences. Willoughby Eastlake City Schools, Title III
Units Grades K-2, 3-4, 5-6

Couchman, MacBean, Stecher, and Wentworth
Examining Your Environmental Series. I/J
Holt, Rinehart, Winston of Canada

| | |
|---|---|
| Astronomy | Pollution |
| Birds | Running Water |
| The Dandelion | Small Creatures |
| Ecology in Your Community | Trees |
| Mapping Small Places | Your Senses |
| Mini-Climates | |

ERIC/SMEAC
100 Teaching Activities in Environmental Education K-12, Vol. II K-12. Environmental Education Analysis Center.

Harrington, Robert F.
Learning About Environment. Canada Wildlife Federation

Lawrence Hall of Science
Outdoor Biology Instructional Strategies (OBIS). I/J Trial Set I & II

National Environmental Education Development
Adventure in Environment. Silver Burdett I/J. Student Manual, Teachers Guide, & Outdoor Book

Pennsylvania Outdoor Education Center Title III ESEA
Environmental Curriculum Materials Level 5,6. Del Mod System

Ryerson Science Series
Ryerson Science in Action. I/J. McGraw Hill of Canada

| | |
|---|---|
| Studying Birds | Studying Soil |
| Studying Insects | Studying Streams |
| Studying Mammals | Studying Woodlands |

(E. E. Curriculum Guides Cont.)

Social Studies and Science Curriculum
Education for Survival. North Jersey
Conservation Foundation.
Grades 1-3, 4,5,6
Stapp and Cox
Environmental Education Activities Manual
Book 1 - Concerning Spaceship Earth
Book 2 - Lower Elementary Activities
Book 3 - Middle Elementary Activities
Book 4 - Upper Elementary Activities
Book 5 - Junior High Activities
Book 6 - Senior High Activities
Yardly, Alice
Young Children Learning Series. P/I.
Citation Press Books
Discovering the Physical World
Exploration and Language
Reaching Out
Senses and Sensitivity

371.3 B. Environmental Activities and/or Program Manuals.

Air Pollution Control Association
Air Pollution Experiments for J & S/H.S.
Air Pollution Association
Andrews, William A., Ed.
Freshwater Ecology. Prentice-Hall, Inc.
A Guide to the Study of Environmental
Pollution. Prentice-Hall, Inc.
Bachert, Russel E.
Outdoor Education Equipment - Easy to Make
Items. I/J. Interstate.
Board of Education for the City of Hamilton (Ont.)
Outdoor Education. I/J
Conservation and Environmetal Studies Center
Teachers Workshop Handbook. I/J
Cramer, Howard
Operation Springtime. I/J. Science Dept.,
Landon Board of Education, Ontario.
Operation Sugar Bush. I/J. Science Dept.,
Landon Board of Education, Ontario.
Department of Science
The Gravel Pit. J/H. Landon Board of
Education, Ontario.
ESEA Title III Kentucky Region V
Environmental Education Curriculum Guide K-12.
Fegely, Thomas
Recycling. I/J. Rodall Press.
Project ECO., Title III, ESEA.
Teacher Resource Booklet 1-9. Ames Comm. School
Roller, Lib, Coordinator
Using the Community; An Environmental Study.
I. Nashville Metro Schools
Roller, Elizabeth, Coordinator
Outdoor and Environmental Education Manual.
K-6. Nashville Metro Schools
Russell, Helen Ross
Ten-Minute Field Trips - A Teachers Guide.
P/I. J.G. Ferguson

Schatz, Albert
Teaching Science with Soil. I/J. Rodale Press.
Schatz and Schatz
Teaching Science with Garbage. I/J. Rodale Press
Simon, Seymour
Science Projects in Ecology. I/J. Holiday House
Science Projects in Pollution. I/J. Holiday House.
Toronto (Ontario) Board of Education
Island Natural Science School. I.
U. S. Environmental Protection Agency
A Curriculum Activities Guide to Water Pollution and Environmental Studies:
Activities H Appendices H

371.3 C. Environmental Education Methods

Anastasiou, Clifford J.
Teachers, Children and Things - Materials. P/I. Centred Science.
Gail, Peter A.
Environmental Education Guide for Teachers. J/H. Institute for Environmental Education.
Illinois Institute for Environmental Quality
Environmental Curiosity Sampler. I/J
Ives, Edward
A Manual for Field Workers (Folklore). H. Northeast Folklore
Nickelsburg, Janet
Field Trips - Ecology for Youth Leaders. J/H. Burgess
Purchase, Richard and Betty
Let's Go Outdoors with Children Grades 1-4. Westminister Press.
Sale, Larry L.
Environmental Education in the Elementary School. Holt, Rinehart, Winston.
Schramm, Wilbur
Classroom Outdoors. I/J. Sequoia Press
Werling, Donn Paul
Environmental Education and Your School Site. P/I/J. Open Lands Project.

371.4 Guidance and Counseling
Career Education in the Environment

375 Curriculum
Conservation Committee of the Madison Public Schools Guide to Environmental Education: Conservation of Natural Resources. K-6.

379.1 Education and the State
Office of the Superintendent of Public Instruction. The School Code of Illinois

500.9 Natural History

Allen, Durward L.
The Life of Prairies and Plains. McGraw-Hill

Brown, Vinson
Knowing the Outdoors in the Dark. Stockpole.

Usinger, Robert L.
The Life of Rivers and Streams. McGraw-Hill.

510 Mathematics

Shuster, Carl N.
Field Work in Mathematics. The American Book Co.

523 Astronomy, Descriptive

Menzel, Donald H.
A Field Guide to the Stars and Planets. Houghton

Zim, Herbert S.
Stars. The Golden Press.

526 Mapping

Disley, John
Orienteering. Stockpole Books.

Kjellstrom, Bjjoen
Be Expert with Map and Compass. Scribner & Sons.

531 Energy

National Science Teachers Association
Energy - Environment Source Book. NSTA
Energy - Environment Mini Unit Guide K-12. NSTA
Energy - Environment Materials Guide. NSTA

549 Rocks and Minerals

Bowser, Carl J.
A Quick Guide to Rocks and Minerals.

Pough, Frederich H.
A Field Guide to Rocks and Minerals.

Zim, Herbert S.
Rocks and Minerals: A Guide to Familiar Minerals, Gems, Ores, and Rocks. Golden Press.

551.59 Weather

Lehr, Paul E.
Weather. Golden Press.

560 Fossils

Rhodes, Frank
Fossils. Golden Press.

573.03 Environmental Science

Lapedes, Daniel N.
Encyclopedia of Environmental Science.
McGraw-Hill.

574 Biology

Chase, Myron C.
Field Guide to Edible and Useful Wild Plants of North America. Nasco.

574.5 Ecology

Krutch, Joseph Wood
The Great Chain of Life. Pyramid Books.

574.92 Marine and Fresh Water Biology

Amos, William H.
The Life of a Pond. McGraw

Carrick, Carol
The Pond. The MacMillan Co.

Hofman, Melita
A Trip to the Pond: An Adventure in Nature. Doubleday and Company, Inc.

Hotchkiss, Neil
Common Marsh, Underwater and Floating-leaved Plants of the United States and Canada. Dover Publications, Inc.

Klots, Elsie B.
The New Field Book of Freshwater Life. Putman.

Morgan, Ann Haven
Field Book of Ponds and Streams; An Introduction to the Life of Fresh Water. Putman.

Prescott, G. W.
How to Know Aquatic Plants. Wm. C. Brown Company Publishers.

Reid, George K.
Pond Life. Golden Press

575 Environment, Ecology

Alexander, Taylor
Ecology. Golden Press.

Asimov, Isaac
ABC's of Ecology. Walker and Company

Bates, Marston
The Forest and the Sea

Cailliet, Greg
Everyman's Guide to Ecological Living. MacMillan Co.

Caldwell, Lynton Keith
Environment: A Challenge for Modern Society. The Natural History Press.

Council on Environmental Quality
Environmental Quality 1974. U. S. Government.
Environmental Quality 1970. U. S. Government.

Ditton, Robert B.
Environmental Impact Analysis: Philosophy & Methods. University of Wisconsin, Green Bay.

Eifert, Virginia S.
Essays on Nature.

Fabun, Don
The Dynamics of Change. Prentice-Hall, Inc.

Leopold, Aldo
A Sand County Almanac. Ballantine Books, Inc.

Love, Sam, Ed.
Earth Tool Kit: A Field Manual for Citizen Activities. Pocket Books.

Murdock, William W., Ed.
Environment: Resources, Pollution and Society. Sinauer Associates, Inc.

Nash, Roderick, Ed.
The American Environment: Readings in the History of Conservation. Addison-Wesley Publishing Co.

Revelle, Roger
America's Changing Environment. Houghton Mufflin Co.
Rudofsky, Bernard
Streets for People. Doubleday & Company.
Sea Grant College Program
Earthwatching. University of Wisc., Madison.
Van Matre, Steve
Acclimatization: A Sensory & Conceptual Approach to Ecological Problems. American Camping Association.
Young, Grizzly
Eco-logic and Eco Laughs.

581 Poisonous Plants
Evers, Robert A.
Poisonous Plants of the Midwest & Their Effect on Livestock. University of Illinois.

581.5 Plants
Coon, Nelson
Using Wayside Plants. Hearthside Press, Inc.
Watts, May Theilgaard
Reading the Landscape: An Adventure in Ecology. The MacMillan Co.

581.6 Edible Plants
Angier, Bradford
Field Guide to Wild Plants. Stockpole.
Chase, Myron C.
Field Guide to Edible & Useful Wild Plants of North America. (Nasco Nature Study Aids)
Medsger, Oliver Perry
Edible Wild Plants.

582 Plant Identification
Bretton and Brown
An Illustrated Flora of Northern United States & Canada. Dover Publications
Collingwood, G. H.
Knowing your Trees. The American Forestry Association.
Coutenay, Booth
Wildflowers and Weeds
Fossett, Norman C.
Spring Flora of Wisconsin
Gridley, Maude
How to Know Wild Fruits
Harlow, William M.
Fruit Key and Twig Key
Mohlenbrock, Robert H.
Forest Trees of Illinois. Illinois Dept. of Conservation.
Peterson, Roger Tory
A Field Guide to Wildflowers of Northeastern & North Central North America. Houghton Mifflin Company.

Petrides, George A.
Field Guide to Trees and Shrubs. Houghton.
Trelease, William
Winter Botany
Voss, John
Illinois Wildflowers
Watts, May
Flower Finder (25 Copies)
Master Tree Key (25 Copies)
Winter Tree Finder (25 Copies)
Zim, Herbert S.
Flowers: A Guide to Familiar American Wildflowers. Golden Press.
Trees: A Guide to Familiar American Trees. Golden Press.

587 Ferns
Cobb, Boughton
Field Guide to the Ferns & Their Related Families of Northeastern & Central North America. Houghton.

589 Non-flowering Plants
Christenson, Clyde M.
Common Edible Mushrooms. 2 copies.
Shuttleworth, Floyd S.
Non-flowering Plants. Golden Press.
Smith, Alexander H.
The Mushroom Hunter's Field Guide. The University of Michigan Press.

591 Tracking
Chase, Myron and Charles
Field Guide to Tracks. Nasco.
Murie, Olaus
Field Guide to Animal Tracks. Houghton.

591.09 Animals, Surprises
Laycock, George
Animal Movers. The Natural History Press.

591.5 Animals, Natural History
Tinbergen, Niko
Curious Naturalists. Doubleday & Company, Inc.

593 Protozoa
Jahn, Theodore Louis
How To Know the Protozoa. William C. Brown and Company.

595 Invertebrates
Levis, Herbert W.
A Guide to Spiders & Their Kin. Golden Press.
Simon, Seymour
Discovering What Earthworms Do. McGraw-Hill Book Co.

595.7 Insects

Borror, Donald J.
A Field Guide to the Insects of America North of Mexico. Houghton Mifflin Company,

Klots, Alexander Barrett
Field Guide to the Butterflies of North America, East of the Great Plains. Houghton.

Mitchell, Robert T.
Butterflies & Moths: A Guide to the More Common American Species. Golden Press.

Zim, Herbert S.
Insects; A Guide to Familiar American Insects. Golden Press.

598 Birds

Headstrom, Richard
Birds' Nests: A Field Guide. Ives Washburn, Inc.

Kortright, F. H.
Ducks, Geese, and Swans of North America. Stockpole.

Peterson, Roger Tory
Field Guide to the Birds: East of the Rockies. Houghton.

Stefferud, Alfred
Birds in our Lives. U. S. Dept. of Interior.

Zim, Herbert S.
Birds: A Guide to the Most Familiar American Birds. Golden Press.

598.1 Reptiles

Conant, Roger
Field Guide to Reptiles & Amphibians of the United States & Canada East of the 100th Meridian. Houghton.

Ditmars, Raymond L.
Snakes of the World. Pyramid Books.

Zim, Herbert S.
Reptiles & Amphibians: A Guide to Familiar American Species. Golden Press.

599 Mammals

Burt, William Henry
A Field Guide to the Mammals. Houghton.

599.773 Whitetail Deer

Calhoun and Loomis
Prairie Whitetails. Illinois Dept. of Conservation.

614,7 Environmental Sanitation, Pollution

Blanstein, Elliott H.
Anti-pollution Lab. Sentinel Books Publishers, Inc.

614.8 First Aid

American National Red Cross First Aid Textbook. Doubleday and Company, Inc.

Hartley, Joel
New Ways in First Aid. Hart Publishing.
Standard First Aid and Personal Safety. Double Day.
Standard First Aid Course, Multi Media.

631.4 Soils
Andrews, William A., Ed.
A Guide to the Study of Soil Ecology. Prentice-Hall, Inc.

632 Agricultural Pests, Pesticides
Fichter, George S.
Insect Pests. Golden Press.
Martin, Alexander C.
Weeds (A Golden Nature Guide)
University of Illinois Agricultural Experimental Station. Weeds of The North Central States.

634 Forestry
Breetveld, Jim
Treasure of the Timberlands. Scholastic Magazine in Cooperation with the Weyerhaeuser Co.
Carter, J. Cedric
Illinois Trees: Selection, Planting, & Care.
Illinois Trees: Their Diseases. Illinois Natural History Survey, Circular 51.

635 Gardening
Editors of Organic Gardening
Best Ideas for Organic Vegetable Growing.

638.1 Insect Culture
Jaycox, Elbert R.
Beekeeping in Illinois. University of Ill.

640 Home Economics
U. S. Dept. of Agriculture
Handbook for the Home; 1973 Yearbook of Agriculture.

641.5 Cookery
Cadwallader, Sharon
Whole Earth Cookbook.
Raup, Lucy G.
Campers' Cookbook. Charles E. Tuttle Co.

712 Landscaping
U. S. Dept. of Agriculture
Landscaping for a Living: U. S. Dept. of Agriculture Yearbook.

713 Trail Planning
Ashbaugh, Byron L.
Trail Planning and Layout. National Audubon Society.

719 Parks, Recreation Areas
Chevrolet Company
National Parks and Monuments.

719.773 Illinois Nature Preserves
Illinois Nature Preserve Commission
Illinois Nature Preserves; Two Year Report, 1971-72.

745.5 Arts and Crafts
Hess, LaRena
How to Paint with Natural Earths & Sands. Naturegraph Publishers.
Stribling, Mary Lou
Art from Found Materials Discarded & Natural. Crown Publishers, Inc.

793.7 Mathematical Games
Webster, David
Brain-boosters. The Natural History Press.
Crossroad Puzzlers. The Natural History Press.

796.1 Nature Games
Musselman, Virginia W.
Learning About Nature Through Games. Stockpole Books.

796.5 Physical Education
Project Adventure

796.5 Backpacking, Spelunking, Walking
Colwell, Robert
Introduction to Backpacking. Stockpole.
Introduction to Foot Trails in America. Stockpole.
Fletcher, Colin
The Complete Walker. Knopf.
Manning, Harvey
Backpacking One Step at a Time. Vintage.
Merrill, Bill
Hikers & Backpackers Handbook. Arco.
McClurg, David R.
Amateur's Guide to Caves & Caving. Stockpole.
Petzoldt, Paul
The Wilderness Handbook. Norton.
Queen's University
Adventure Educational Resource Vol. I.
Sullivan, George
The Backpacker's Handbook. Grosset & Dunlap.

796.54 Camping
Bunnelle, Hasse
Food for Knapsackers. Sierra Club.

796.6 Cycling
Asa, Warren
North American Bicycle Atlas. American Youth Hostels.

Tobey, Peter
Bicycle, Camping, & Touring. Dell.

796.9 Ice & Snow Sports
Baldwin, Ned
A Beginners Guide to Cross-Country Skiing.

797.1 Canoeing
Malo, John
Complete Guide to Canoeing & Canoe-Camping.
Collier Books.

909 History
Thiem, E. George, Ed.
Carroll County - A Good Heritage. Kable
Printing Company.

CURRICULUM AIDS

002 Innovative Programs Directory
File 18 Title III Reports
Title III ESEA Annual Reports, Subject Area Quarterlies
Forces of Change in Illinois Schools
Wings of Progress

333 Conservation
File 8 Conservation Yearbooks
U. S. Dept. of the Interior
Quest for Quality
The Population Challenge
The Third Wave
Man an Endangered Species
Its Your World
River of Life
Our Living Land

371.3 Environmental Education Curriculums
A. Commercial Guides & Units
File 26 All Around Your Series P/I
Blond Education Limited, London
Autumn - 20 Assignment Cards (Pictorial)
Winter - 10 Assignment Cards (Pictorial)
Spring - 10 Assignment Cards (Pictorial)
Summer - 10 Assignment Cards (Pictorial)
File 1 Audubon Aids P,I,J
ap1 Audubon Ecology Study Program
ap2 Audubon Bird Study Program
ap3 Audubon Tree Study Program
ap4 Audubon Plant Study Program
ap5 Audubon Mammal Study Program
nb2 Good Teaching Aids
nb3 Animals & How They Live
nb4 Insects & Spiders
nb5 Plant Identification
nb6 Conservation
nb7 Ecology
nb8 Flannel Boards
Ecosystems
File 22 Ecology Activity Cards I/J
BFA Educational Media
File 6 Schultz, Beth
Investigation in Ecology. I/J
70 Activity Cards.
File 14 Milliken Transparencies & Duplicating Books P/I/J
McDonald's Ecology Action Pack
Milliken Transparencies
Planet at a Crossroads
Crossroads: Water
Milliken Study Print Books
Winter
Urban America
Rural America

Milliken Transparencies & Duplicating Books

| | |
|---|---|
| Birds | Prehistoric Life |
| Ecology | Rocks & Minerals |
| Mammals | Seasons & Living Things |
| Plants & Animals | Weather Science |

File 2 National Wildlife Federation P/I/J
- Differences in Living Things
- Fish & Water Temperature
- Man's Habitat - The City
- Nature Hunt
- Oaks, Acorns, Climate, & Squirrels
- Plants in the Classroom
- Sampling Button Populations
- Shadows
- Snow & Ice
- Vacant Lot Studies
- Wind

File 7 Teaching in the Field P/I/J
- Donaldson, George & Lou
- Illinois Dept. of Conservation, Division of Interpretation & Recreation
- Guiding Children in the Field

371.3 B. Title III Projects

File 13
- Antioch K-12 EE Project. K-12 Units.
- Operation Survival EE Project Manuals
  - Land, Air, Water
- Maine EE Project

File 27 Project ECO - Ames, Iowa.
- Learning Packets
  - Primary: Buds, Leaves & Trees, Rocks, Seeds, Toads.
  - P & I: Earthworms, Fish, Flowers, Milkweeds, Minnows, Rocks.
  - I: Minnows, Monarch Butterfly, Soil Profile, Soil Texture, Stream Behavior, Trees - Winter, Trees Height & Diameter, Bud Activity, Using Your Lenses, Wildflowers, Leaf ID, Edible Plants, Diversity Study, Freshwater Snails, Galls, Aquatic Insects.
  - Junior: Photographic Techniques

File 21 Project ICE, A Supplementary Program for Environmental Education
- Art - Gr. K-3, 4-6, 7-9, 10-12
- Business Education - Gr. 9-12
- Home Economics - Beg., Int., Adv.
- Language Arts - Gr. K,1,2,3,4,5,6,7 8,9,10,11,12
- Industrial Arts - Gr. 7-12, 9-12
- Math - Gr. K,1,2,3,4,5,6,7,8,9,10,11,12
- Music - Gr. 1-6, 7-9, H. S.

P. E. - Gr. K-3, 4-6, 7-12
Science - Gr. K, 1,2,3,4,5,6,7,8 9,10,11,12
Social Studies - Gr. K, 1, 2,3,4,5,6, 7,8,9,10,11,12

File 20 Milwaukee Public Schools, Title III, ESEA Environmental Education Program
- Art
- English Language Arts Program
- Environmental Chemistry
- Home Economics
- Addenda to Home Economics
- Junior High Mathematics
- Milwaukee River Field Trip

Oteen, North Carolina, Environmental Education Center
- Art is a Way of Living
- City Planning
- Encounters in My Environment
- Get Out of Your Shell
- An Inservice Workshop
- School Days of Yesterday

File 12 Environmental Education Manual for New Mexico Teachers

Handbook for Field Participants in the Environmental Sensitivity Project, Escambia & Santa Rosa Co. Schools (Fla.) Title III Project

Programs in Environmental Education. The National Science Teachers Ass. Includes 14 sample lessons.

Working with Children in the Outdoors, Hennepin Co. Park Reserve District

Guide to Shoreline Park Nature Trail, Escambia & Santa Rosa County, Title III Project

Outdoor Education for Thomson, IL

Frederick Co. (MD) Outdoor School

371.3 C. Other Projects & Programs

File 23 Environmental Education in Deleware. State Dept. of Public Instruction
- Booklet - Environmental Education in Deleware
- Special Education Master Key & Index
- Environmental Curriculum Materials Level I (K-1), Level II (2,3,4), Level III (5,6)

File 3 Environmental Science Center J/H
- Contour Mapping
- Micro-climate, Measuring Devices
- Nature's Art
- Soil Sampling
- Snow & Ice
- Stream Profiles
- Success in a Micro-aquarium
- Transect Activities I
- Wind

File 5 Guides for Teaching Conservation
- U. S. Dept. of Agriculture
  - Teaching Soil & Water Conservation: A Classroom & Field Guide
  - Outline for Teaching Conservation in Elementary Schools. 4 copies.
  - Outline for Teaching Conservation in High School. 2 copies.
  - Water Intake by Soil: Experiments for High School
- U. S. Dept. of the Interior
  - National Park Service with the National Education Ass. Environmental Study Area Workshops
- Office of the Supt. of Public Instruction. Outdoor Activities in Conservation Study
- University of Illinois
  - Illinois 4-H Wildlife Conservation Manual
  - Illinois Wildlife
  - Illinois Conservation Curriculum Guide (E)

File 4 Minnesota Environmental Science Foundation, Inc.
- Introducting Environmental Learning on Wildlife Refuges; Report to Managers & Report to Teachers, with 15 Guides to Sherbourne National Wildlife Refuge

Boulder Series, American Geological Institute. Environmental Studies.

Dow Chemical
- Environmental Involvement, A Teacher's Guide, 2nd Edition. 7 copies

The Instructor Publications, Inc.
- Outdoor Activities for Environmental Studies.

500.9 Natural History

File 11 The Living Museum. Illinois State Museum

File 28 Illinois State Museum Booklets
- Man's Venture in Culture, Thorne Deuel
- The Past Speaks to You, Ann Livesay
- Fossils of Illinois, Carlton Candit
- Poison Ivy & Poison Sumac, Glen S. Winterringer
- Flowers that Bloom in the Spring, Virginia S. Eifert
- Exploring the Mushrooms, Virginia S. Eifert
- Common Illinois Insects, A. Gilbert Wright

Invitation to Birds, Virginia S. Eifert
Amphibians of Illinois, Paul W. Parmalee
Illinois Mammals, Virginia S. Eifert
Some Plant Galls of Illinois, Glen S. Winterringer
American Indian Ways of Life, Thorne Deuel
The Story of Illinois, Virginia S. Eifert

531 Energy
File 28 Energy Related Materials

550 Geology
File 16 Illinois Geology Materials
Geological Field Trip Guide
Illinois Geological Guide
Topographic Maps
File 10 Taft Campus Newsletter
Teacher Outdoors NIU
Environmental & Outdoor Education
Journal of Outdoor Education NIU
Journal of Environmental Education

598 Birds
File 9 Water Fowl
U. S. Dept. of the Interior, Fish & Wildlife Service. Ducks at a Distance.

634 Forestry
File 17 Forest Trees of Illinois, Illinois Dept. of Conservation
File 19 Ontario Forestry Association
Candidates Course: Resource Rangers
Conservator Degree: Careers, Conservation Principles
Green Leaf Degree: Wildlife I, Water Orienteering, Soil I
Silver Leaf Degree: Wildlife II, Soil II, Forest Fire Control, Weather, Forestry II, Resource Rangers
Gold Leaf Degree: Minerals, Pollution, Silviculture, Wildlife III, Insects & Diseases
Conservation Degree: Legislation, Utilization

796.51 Camping
File 15 Camping, Boy Scouts of America. 25 books.

909 History
File 11 Illinois History, A Magazine for Young People

## FILMS

301.975 Foxfire - 21 min. J/HS - McGraw-Hill

312 Populations - 15 min. I/J/HS - Centron Educational Films

364.1 Vandalism - Why? 11 min. I/J

525 Winter: Story of Survival - 14 min. P/I/J. ACI Film, Inc.

531 Energy Crisis - 13 min. I/J/SH - Journal Film, Inc.

574.5 The Pond: A First Film - 10 min. P/I/J - BFA Educational Media

574.92 Cry of the Marsh -12 min. I/J/HS - Bill Snyder Films, Inc.

574.92 Spring Marsh - 26 min. I/J/HS - A/V Explorations, Inc.

575 Conserving our Environment: Use & Reuse - 13 min. I/J - Coronet Films

575 Ecology Primer - 18 min. P/I/J/HS - American Educational Films

575 Ecology: The Relationship of Plants & Animals to their Environment - 22 min. I/J/HS - Academy Motion Picture Films

575 EE-YI-EE-YI-OH - 10 min. P/I/J/HS - Perennial Education, Inc.

575 Nature;s Ever-Changing Communitites - 14 min. I/J - Journal Films, Inc.

575 The River That Came Back - 10 min. I/J/HS - Perennial Education Films

575 Our Wilderness - 10 min. P/I/J/SH - Educational Enterprises

575 Say Goodbye - 52 min. I/J/HS - Films, Inc., Distribution Center

575 This Land is Mine - 23 min. I/J/SH - ABC Media Concepts

598 American Bald Eagle - 16 min. I/J/SH - Coronet Film

598 A Bird of Prey: The Red-Tailed Hawk - 14 min. I/J/SH - Encyclopedia Britannica Films

598 Canada Goose - 6 min. P/I/J/H - A/V Exploration

575 Alone in the Midst of the Land - 27 min. J/SH - NBC Film Exchange

599 The World of the Beaver - 32 min. P/I/J/HS - BFA Educational Media

614.7 Child's Garden of Pollution - 12 min. P/I/J/HS - ABC Media Concepts

614.7 Lakes: Aging & Pollution - 15 min. P/I/J/HS - Centron Film

614.7 Litter, Litter, Everywhere - 8 min. P/I - ECI, Inc.

614.7 The Litter Monster - 16 min. P/I - Alfred Higgins Productions, Inc.

614.7 A Nation of Spoilers - 11 min. P/I/J/SH - Alfred Higgins Productions, Inc.

796.5 A Journey to the Outer Limits - 52 min. J/SH - National Geographic Society

## FILMSTRIPS

371.3 Our Environment: Problems or Promise. 36 Pictures, 4 cassettes for pictures, 5 filmstrips, 5 cassettes, 5 duplicator masters (can be used as a unit or individual study packet) I/J/SH - Nystrom.

375.3 Environmental Studies Series. 6 filmstrips, 6 cassettes - J/HS - Centron Educational Films.

531 Energy from Where, for What? Filmstrip discussion guide - Scholastic Magazines.

550 Changing Surface of the Earth. 2 filmstrips, 1 record - I/J/HS - Educational Activities, Inc.

550 Geology: Weathering & Erosion, & Glaciation Shapes of the Land. 2 filmstrips, record - I/J/HS - Avid Corp. Inst. System Division.

551.59 Clouds & Rain & Things. 2 filmstrips, 2 cassettes - I/J - Guidance Associates.

551.59 Know Your Weather. 2 filmstrips, 2 cassettes - Grades 4-8 - Educational Activities, Inc.

574.5 Concepts in Ecology. 4 filmstrips, 4 cassettes - P/J - Centron Educational Films.

574.5 Ecology: Balance of Nature. 1 filmstrip, 1 cassette - I/J - Marsh Film Enterprises.

574.5 Ecology: Spaceship Earth. 1 filmstrip, 1 cassette - I/J - Marsh Film Enterprises.

574.9 Desert Life. 4 filmstrips - Grades 3-6 - Scott Education.

575 Cabbages & Kings or Who Took the World Apart? 1 cassette or record - HS - Produced for the Canadian Council of Resources & Environmental Ministers by the Province of Manitoba.

575 Clearwater - A Dream of a River. 2 filmstrips, 2 cassettes - I/J/HS - Denoyer-Gippert.

575 Ecology: Understanding the Crisis. 6 filmstrips, 6 cassettes - I/J/HS - Encyclopedia Britannica Educational Corporation.

575 Environmental Awareness. 5 filmstrips, 5 cassettes P/I/J/HS/Art - Centron Educational Films.

575 Man & His Environment. 1 filmstrip, 1 record - Teachers, Parents, & School Boards - National Education Association.

575 Our Challenge Series. 8 filmstrips, 2 cassettes - Grades 4-8 - Avid Corporation.

575 Poetry of the Seasons. 4 filmstrips, 4 cassettes - P/I/J/HS - Centron Educational Films

575 Recycling: An Ecology Study. 1 filmstrip, 1 record - I/J/HS - The Aluminun Association.

575 The Right to Exist. 1 filmstrip, 1 cassette - I/J/HS - Colonial Films.

575 What is Ecology? 1 filmstrip, 1 cassette - J/HS - Warren Schloat Production, Inc.

614.7 Air Pollution. 2 filmstrips, 2 cassettes - J/HS - Warren Schloat Productions, Inc.

614.7 Soil: It's Meaning for Man. 2 filmstrips, 2 cassettes - J/HS - Warren Schloat Productions, Inc.

614.7 Water Pollution. 2 filmstrips, 2 cassettes - J/HS - Warren Schloat Productions, Inc.

## AV-UNITS

371.3 Our Environment: Problems or Promise. 36 Pictures, 4 cassettes for pictures, 5 filmstrips. 5 cassettes, 5 duplicator masters (can be used as unit or in individual study packet) - I/J/SH - Nystrom.

531 EEG - The Energy Environment Game for Science, Social Studies, & English Classes. Grades 7-12, role playing activities, 32 players guides, filmstrip and record, 32 role cards, site selection information, wall map, prime reference.

## RECORDS

575 Of Cabbages & Kings (Who Took the World Apart?) Produced for the Canadian Council of Resources & Environmental Ministers by the Province of Manitoba.

595.7 The Songs of Insects. Sounds of Nature. Laboratory of Ornithology, Cornell University - Houghton Mifflin Co.

598 Dawn in a Duckblind. Sounds of Nature. Labratory of Ornithology, Cornell University - Houghton Mifflin Co.

598 Prairie Spring. Sounds of Nature. Produced by Federation of Ontario Naturalists with Cornell Labratory of Ornithology - Houghton Mifflin Co.

598 Songbirds of America in Color, Sound & Story. Sounds of Nature, Cornell Labratory of Ornithology - Houghton Mifflin Co.

## CHARTS AND POSTERS

333 Poster - Composting
371.3 Poster - 9 Awareness Posters
523 Chart - Modern Star Guide
553 Poster - Science in Search of Oil
551.59 Charts - United States & Canada Weather Chart, Current Science, American Educational Publications, Blank Weather Charts a-Country Companies (Insurance) U. S. & Canada.
575 Chart - Earth Cycles - Scholastic Magazines, Inc.
575 Chart - Ecological Cycles (Food, Energy, Etc.) - Scholastic Magazines, Inc. with Scholastic Earth Corps/Conservation Study Units.
575 Poster - The Ecology Symbol - U. S. EPA.
575 Poster - Ecology - Pure Pak.
575 Charts - Ecology

| | |
|---|---|
| Amphibians | Common N. A. Evergreens |
| Bird Calendar | Common Seed Travelers |
| Bird Migration | Forest Food Chains |
| Bird Study | Leaves of Common Trees |
| Catkin - Bearing Trees | Salt Water Food Chains |
| Common Lichens | Twigs of Common Trees |
| Common Mosses | Ecology |

575 The Ecology of a Stream - E. I. DuPont de Nemours & Company.
575 Poster - Ecology: A Wild Idea - The National Wildlife Federation.
575 Poster Environmental "Rap" - Perennial Education, Inc.
575 Poster - Handle with Care - The Creative Teacher.
575 Poster - Johnny Horizon Says - U. S. Dept. of the Interior.
575 Poster - The Natural & Civilized World Must Live Together or Perish Separately - The National Audubon Society.
575 Chart - Pollution & Ecology Charts - The Instructor Publications.
575 Poster - Sky, Water, Earth Below - Buster Brown Shoe Co.
575 Chart - Technology vs. Environment - Design Victors, Inc. 1971.
575 Poster - Tomorrow's Environmentalists are in Your Classroom Today - The Creative Teacher.
598 Chart - Birds of Eastern North America.
Poster - Life: Consider the Alternative - The National Audubon Society.
599 Chart - Mammals of North America & Guide - The National Audubon Society.
631.4 Color Chart for Estimating Organic Matter in Mineral Soils in Illinois - The University of Illinois College of Agriculture. 10 Copies.
634 Posters from Green America
Forests & Trees of North America, with Manual. Green America.
Green America: The Myth & Mystique of the Redwoods.

634 Posters from Green America (cont)
Growth of a Tree, with Manual.
Renewability: Green America - 2 copies.
Other Additional Posters from Green America
not listed - American Forestry Institute.

KITS

333.9 Bureau of Sport Fisheries & Wildlife, U.S. Dept. of the Interior, Upper Mississippi Wildlife Refuge.

333.9 Bureau of Sport Fisheries & Wildlife, U.S. Dept. of the Interior, Upper Mississippi River Wildlife & Fish Refuge.

333.9 Eastern Region, Forest Service, U.S. Dept. of Agriculture, Conservation Education Materials, Grades 5-9.

333.9 Forest Service, U.S. Dept. of Agriculture, Teacher's Forest Fire Prevention & Conservation Kit.

370 Canadian Outdoor Education Schools

1. The Island School - Toronto
2. Ministry of Community & Social Services - Youth & Recreation Branch - Toronto
3. Albion Hills Conservation Field Centre, Cumberland, Ontario
4. Outdoor Education in Canada, 1972
5. Macskimming Outdoor Education Centre, Cumberland, Ontario
6. Open Country Service, Queen's University, Atikokan High School
7. Royal Botanical Gardens, Hamilton, Ontario Round the Gardens
8. Don Head Secondary School, Richmond Hill
9. St. John's Outdoors StudyCentre, Ni gara South
10. An Outdoor Hike Across Canada
11. Youth Outdoors Unlimited - an Outpost Island
12. Camp Kandalore
13. Boyne River Natural Science School
14. Man & Resources, Ontario Program Handbook
15. Urban Studies
16. Man Within the Natural Environment

370 The Garden Club of America, The World Around You; Environmental Education Packet. 2 Kits.

371.3 A. J. Nystrom & Co. Our Environment: Problem or Promise?

371.3 Board of Education for the City of Hamilton, Ontario
Fences & Hedges
Field Studies
A Cemetery Study
Our City Environment: Paved areas, study of a lawn
Homes in the Neighborhood
Out of School Trips

371.3 Glassboro State College, Ontario
Outdoor Education - copies
Open Country Service

371.3 Mt. St. Hilaire Nature Centre, Province of Quebec
Check list of birds of Mt. St. Hilaire
Mont St. Hilaire
The Nature Trail - July & August
Spring Wildflowers
Trees of Mt. St. Hilaire

371.3 North York Board of Education, Ontario
An Integrated Curriculum in Action
Forest Valley Outdoor Education Centre
Field Trips, Educational Visits; Policies & Procedures
Poster - Take Nothing, Leave Nothing but Your Tracks
Resource Material
Outdoor Learning Centres:
Map & Compass Review
Change
Outdoor Science Activities
Maps & Aerial Photograph

371.3 Elementary Science Packet No. 3
National Science Teachers Association

371.3 Office of the Superintendent of Public Instruction, State of Illinois. Conservation & Environmental Kit. 2 Kits.

371.3 Pacific Northwest Region, U.S. Dept of Agriculture
Multiple Use Management. 2 copies.

371.3 Teachers Enviropak.
Ministry of the Environment, Ontario

371.3 Windsor, Ontario, Board of Education
Field Studies Program
A Study
The Cemetery
Field Studies Program - Level 2; Level 2, Advanced; Teacher's Guide
Field Studies Program - Biology XIII
A Country Field Study
My Visit to Jack Miner's Sanctuary
Outdoors Activities Field Studies Program
Schoolorama - Jan. 1969, Sept. 1970

371.3 Soil Conservation Society of America (Ankeny, Iowa)
The Earth: Our Home in Space
Food & the Land
Help Keep Our Land Beautiful
Making a Home for Wildlife on the Land
Plants
The Story of the Land
The Wonder of Water
Working Together for a Livable Land
Teachers' Guides

574 Nasco Nature Study Aids: Introduction to Tracks & Tracking; Trees of Your State. Mold/Model Kits. 3 Kits.

575 A Better Environment. Booklets & Teacher's Guides
Soil Conservation Society of America

575 Ecology: The Problems of Erosion.
Visual Products Division 3 M Company

575 Ecology: Water Pollution,
Visual Products Division 3 M Company

575 Environment Action Kit.
Hudson Pulp & Paper Corporation

575 Ministry of Environment, Ontario
Aspects of Waste Management
An Introduction to Air Pollution & Its Control in October
How Air Pollution Affects Vegetation
Mr. & Mrs. Samuels are so Concerned About Pollution
The Garbage Story
Waste Pollution; What Can I Do?
The Water Book
Unless-Ontario Air Pollution Index

575 Powell Co. (MONT.) Environmental Center
Environmental Packet

575 U. S. Dept. of the Interior
Johnny Horizon 1976

676 Kimberly Clark & Leslie Papers
Recycled Papers

796.5 Survival Material

## GAMES AND OTHER MATERIALS

333 National Wildlife Federation Stamps

371.3 Conservation: Science Transparencies for the Overhead

371.3 Ecosystem Nutrient Cycles: Science Transparencies for the Overhead Projector. Hubbard Scientific Company

371.3 Master Copies: Discovering Your Environment. Orville E. Jones & Malcolm D. Swan. Spirit Master Duplicators. Interstate Printers & Publishers, Inc.

371.3 Module: Death of a River; Testing Kit & Transparencies. Education Module, Inc.

550 Geology: Erosional Features. A Correlated Study Unit of 35mm. Slides. Hubbard Scientific Co.

550 Maps - U. S. Dept. of the Interior & State of Illinois Dept. of Transportation
1. Savanna Quadrangle
2. Mt. Carroll Quadrangle
3. Morrison Quadrangle
4. Clinton Quadrangle
5. Illinois Map
6. Illinois Highway Map
7. Mineral Industries of Illinois

574.5 Preditor Prey. Game. Ecology Kit. Urban Systems, Inc.

575 Ecology: The Problems of Erosion
3 M Instructional Unit

575 Ecology: Water Pollution
3 M Instructional Unit

575 Environmental Education. Pictures That Teach, Manual. General Learning Corporation, 1971

575 Game - Indian Valley.
Springfield School District

598 Audubon Aids.
Cards:

| | |
|---|---|
| Birds | Mammals |
| Winter | Trees |
| Summer | Wildflowers |

614.7 Transparencies - Stream Changes Due to Pollution
3 M Company

631.4 Soil Erosion Study; Transparencies
3 M Visual Products Division

631.4 Sudbury Simplified Soil Testing Method Kit & Instructional Booklet.

790 Game - Dirty Water.
Urban Systems, Inc.

790 Games by Education Ventures, Inc.
Environmental Attitudes
Garbage
Game of Sacrifice

## PHAMPHLETS

Many phamphlets are on file. Each school's reference center has a complete listing. The following is a list of the areas covered by the ECO-Center phamphlet file.

| DEWEY # | |
|---|---|
| 312 | People: Populations |
| 333 | Conservation |
| 333.9 | Water Resources Development |
| 370 | Environmental Studies |
| 371.3 | Education - Lesson Plans: Methods |
| 371.43 | Vocational Guidance & Training |
| 531 | Energy |
| 549 | Rocks & Minerals |
| 550 | Geology |
| 551.2 | Volcanoes |
| 551.4 | Water Limnology |
| 551.5 | Air |
| 553 | Economic Geology |
| 560 | Fossils |
| 575 | Ecology: Environment |
| 579 | Culture Leaflets |
| 581 | Poisonous Plants |
| 582 | Trees, Shrubs, Flowers |
| 591 | Tracking |
| 595.7 | Insects |
| 598 | Birds, Bird Nest, Bird House |
| 599 | Animals |
| 614 | Pollution: Air, Noise, Water |
| 621 | Nuclear Energy |
| 628 | Sewage Waste Disposal |
| 631.4 | Soils |
| 632 | Agricultural Pests, Pest Controls, Pesticides |
| 634 | Forests, Forestry, Orchards |
| 635 | Gardening |
| 640.73 | Consumer Education |
| 642 | Outdoor Cookery |
| 644 | Manufacture of Maple Products |
| 666 | Ceramics, Glass |
| 676 | Paper, Paper Products |
| 712 | Landscaping |
| 719 | Parks, Recreational Area |
| 740 | Drawing, Decorative Arts |
| 784 | Music |
| 794 | Games |
| 794.5 | Backpacking |
| 794.54 | Fire Lighting & Cooking |
| 799 | Fishing, Hunting |
| 912 | Atlas & Plat Book |
| 977 | History, North Central U.S. Lake Region, Mississippi Valley |

APPENDIX I

SOURCES OF FREE LOAN FILM CATALOGS THAT HAVE FILMS IN THE ENVIRONMENTAL ECOLOGY FIELD:

AEtna Life & Casualty, Public Relations & Advertising Department, Hartford, Connecticut, 06115

Association-Sterling Films, 866 Third Ave., New York, N. Y. 10022

Audio-Visual Services, Bureau of Commercial Fisheries, 1815 North Fort Myer Drive, Arlington, Va. 22209

Bonneville Power Administration, P. O. Box 3621, Portland, Ore.97208

Booking Exchange, Sterling Movies, Inc., 43 W. 61st St., N. Y.,N.Y. 10023

Bureau of Reclamation, Film Management Center, Building 67, Denver, Federal Center, Denver, Colo. 80225

Bureau of Sport Fisheries & Wildlife, Fish and Wildlife Service-Film Laboratory, Federal Building, Fort Snelling, Twin Cities, Minnesota 55111

Film Librarian, Harpers Ferry Historical Association, P. O. Box 147, Harpers Ferry, W. Va. 25425

Geological Survey, Dept. of Interior, Washington, D. C. 20242

Illinois Department of Conservation, State Office Building, 400 South Spring, Spring, Springfield, Illinois 62706

Illinois Department of Public Health, Bureau of Health Education, Film Library, 505 State Office Building, Springfield, Ill.62706

Illinois Oil Council, 201-03 First National Bank Bldg., Springfield, Illinois, 62701

Illinois State Museum, Springfield, Illinois, 62701

Modern Talking Picture Service, Inc., 160 East Grand Avenue, Chicago, Illinois 60611 (order Weyerhaeuser film from here) U. S. Dept. of Interior)

Motion Pictures, Bureau of Mines, 4800 Forbes Ave., Pitts,Pa.15213

NASA Lewis Research Center, Office of Educational Services, 2100 Brookpark Road, Cleveland, Ohio, 44135

National Audiovisual Center, Distribution Branch, Washington, D. C. 20409

National Medical A/V Center, Station K,Atlanta, Ga.30324

Ruth Jones,Inform. Office, U. S. Atomic Energy Commission, Chicago Operations Office, 9800 S. Cass Ave., Argonne, Ill. 60439

U. S. Dept. of the Interior, Office of the Secretary, Wash., D.C.20240

## APPENDIX II

### SOURCES OF ENVIRONMENTAL CURRICULUM MATERIALS

1. Environmental & Outdoor Educational Materials Co.
   423 Wood Street Box 585
   Lander, Wyoming 82520

2. Reed and Sons
   Box 150 Route #2
   Perrysville, Ohio 44864
   (419) 938-8621

3. Windrift Prairie Shop
   Route #2
   Oregon, Illinois 61061
   (815) 732-6890
   Co-owners Dorothy & Douglas Wade

## APPENDIX III

### CURRICULUM MATERIALS AVAILABLE FROM ECO-CENTER

1. Environmental Education - An Interdisciplinary Approach for the Intermediate Level. A 140 page Teacher's Guide to Fifth Grade Environmental Education. The guide contains field experiences, school site activities, and classroom lessons with behavioral objectives, and evaluation methods identified. The guide has many ideas for setting up a field program and coordinating it with the ongoing class work, appropriate for the intermediate level.

2. Environmental Education Curriculum Guide for K-8. An 84 page guide produced by a committee of elementary teachers. It is the purpose of the guide to coordinate environmental education in the elementary grades (K-8). The concepts are sequentially developed in six major areas: air, land, water, animal life, plants, and recreation; with suggested activities listed for teaching these concepts.

3. Language in the Out of Doors. A list of 17 relatively simple language art activities to be coordinated with outdoor experiences. Designed for minimum preparation and evaluation technique.

4. Sixth Grade Land Use Study. A day's field experience for sixth grade students studying the land use of a private resort. Students are asked to identify uses of the land, changes made, effect on wildlife and possible environmental problems. Study stations

include pine hardwood forest management, mapping, soil testing, water testing, and multiple use identification.

5. Bibliography of Environmental Education Materials. A listing of actual materials in the ECO-Center reference library. The listing contains many free materials and the better commercial materials currently being produced.

6. 101 Environmental Education Activities

Booklets:

| | | |
|---|---|---|
| Art & Music | 12 Activities | $ .50 |
| Language Arts | 20 Activities | 1.00 |
| Mathematics | 4 Activities | .50 |
| Science | 39 Activities | 1.00 |
| Science & Social Studies (Interdisciplinary) | 14 Activities | .50 |
| Social Studies | 12 Activities | .50 |

OR $3.00 for Entire Set of Booklets

7. In Inservice Training Manual. 120 page guide developed by the ECO-Center Diffusion Program to aid teachers in putting on inservice training sessions.

8. Other Materials

A. Operation Awareness. High School Canoe Camping Course
B. Program Brochure
C. Out Your Window Program for Third Graders
D. Fourth Grade Forest Study
E. Fourth Grade Communities Pollution Study
F. Many other Activities

## APPENDIX IV

## ADDRESS OF PUBLISHERS OF FREE OR INEXPENSIVE PHAMPHLET MATERIALS

Air Pollution Control Association, 4400 Fifth Avenue, Pittsburgh, PA 15213

Alaska Public Interest Coalition, 620 C Street., S. E., Washington, D. C.

American Education Publications, A Zerox Company, Education Center, Columbus, Ohio 43216

American Forestry Association, 1319 18th Street, N. W., Washington, D. C. 20036

American Forestry Institute, 1619 Massachusetts Ave., N. W., Washington, D. C. 20036

American Forest Products Industries, Inc., Illinois Forest Industries Committee, 56 E. Van Buren Street, Room 715, Chicago, IL

American Freedom from Hunger Foundation, 1717 H Street, N. W., Washington, D. C. 20006

American Paper Institute, 260 Madison Ave., New York, N. Y. 10016

American Petroleum Institute, 1271 Avenue of the America, New York, N. Y. 10021

Anheuser-Busch, Inc., St. Louis, Missouri

Bergstrom Paper Co., Neenah, Wisconsin 54956

California Redwood Association, 617 Montgomery Street, San Francisco, California 94111

Caterpillar Tractor Co., Peoria, IL

The Channing L. Bete Co., Inc., Box 112, Greenfield, Mass. 01301

The Citizens Advisory Committee on Environmental Quality 1700 Pennsylvania Ave., N. W., Washington, D. C. 20006

Consumer Markets Division, Kodak, Rochester, N. Y.

ECO (Ecology Council) America, Room 2200, 99 Park Ave., New York, N. Y.

EPA Illinois, State of Illinois Environmental Protection Agency, 2200 Churchill, Rd., Springfield, IL 62706

EPA, Office of Public Affairs, U.S. Environmental Protection Agency, Washington, D. C. 20460

Forest Industries Council, 1619 Massachusetts Ave., N. W., Washington, D. C. 20036

The Garden Club of America, Conservation Committee, 598 Madison Avenue, New York, N. Y. 10022

Glass Container Manufacturing Institute, Inc., 330 Madison Ave., New York, N. Y. 10022

General Motors Corporation, Detroit, Michigan 48202

Hudson Pulp & Paper Corp., 477 Madison Ave., New York, N. Y. 10022

Illinois Dept. Of Conservation, State Office Building, Division of Education, Springfield, IL 62706

Illinois Pollution Control Board, 309 W. Washington St., Suite 300, Chicago, IL 60606

International Harvester Co., 401 N. Michigan Ave., Chicago, IL 60611

Izaak Walton League of America, 1800 No. Kent St., Suite 806, Arlington, VA 22209

Keep America Beautiful, Inc., 99 Park Avenue, New York, N. Y. 10017

LaMotte Chemical, Educational Products Division, Chesterton, Maryland 21620

League of Women Voters of the United States, 1730 M Street, Washington, D. C. 20036

Louisiana Forestry Commission, Baton Rouge, La.

Marcal Paper Mills, Inc., East Patterson, New Jersey 07407

The Mississippi Flyway Council, c/o Box 450, Madison, Wis.

Mobil Oil Corporation, 150 East 42nd St., New York, N. Y. 10017

National Forest Products Association, 1619 Massachussets Ave., N. W., Washington, D.C. 20036

The National Shooting Sports Foundation, Inc. 1075 Post Rd., Riverside, Conn., 06878

National Wildlife Federation, 1412 Sixteenth St., N. W., Washington, D. C. 20036

National Youth Conference on Natural Beauty & Conservation, 830 Third Avenue, New York, N. Y. 10022

The Natural Conservancy, National Office, 1800 N. Kent St., Arlington, VA 22209

Natural Tuberculosis & Respiratory Diseases Association, New York, N. Y.

Olin Mathieson Chemical Corporation, East Alton, IL 62024

Pennwalt, Wallace & Tiernan, 25 Main Street, Belleville, N. J. 07109

Planned Parenthood/World Population, New York, N. Y. 10022

Public Affairs Committee, 381 Park Ave., South, New York, N. Y. 10016

Resources of the Future, Inc., 1755 Massachusetts Ave., N. W., Washington, D. C. 20036

Society of American Foresters, 1010 Sixteenth St., N. W., Washington, D. C. 20036

Shell Chemical Co., Agricultural Division, 2401 Crow Canyon Rd., San Ramon, Calif. 94583

The Sierra Club, 1050 Mills Tower, San Francisco, Calif. 94104

Soil Conservation Society of America, 7515 N. E. Ankeny Rd., Ankeny, Iowa 50021

Southern Forest Products Ass'n., P. O. Box 52468, New Orleans, La. 70152

Southern Forest Resource Council (Get from American Forest)

Sport Fishing Institute, 608-13th St., N. W., Washington, D. C. 20005

State of Illinois Dept. of Conservation, Springfield, IL 62700
Division of Interpretation & Recreation
Division of Forestry

(UAW) Dept. of Conservation & Resource Development, 9000 E. Jefferson, Detroit, Michigan 48214

U. S. Army Corps of Engineers, Dist. Engineer, Rock Island Dist. Clock Tower Bldg., Rock Island, IL 61201

Also U.S. Army Engineer Div., North Central, 536 S. Clark St., Chicago, IL 60605

U. S. Atomic Energy Commission, P. O. Box 62, Oak Ridge, Tenn. 37830

U.S. Dept. of Agriculture, Washington, D. C.
Fish & Wildlife Service
Soil Conservation Service

U. S. Dept. of Agriculture, Wsshington, D. C.
Agricultural Research Service

U. S. Dept. of the Interior, Washington, D. C. 20240
Bureau of Fisheries & Wildlife
U. S. Geological Survey

U. S. Dept. of Health, Education, & Welfare,
5600 Fisher's Lane, Rockville, MD 20852

United States Environmental Protection Agency (EPA),
Washington, D. C. 20460

University of Illinois, Urbana-Champaign, IL 61801
Cooperative Extension Service
College of Agriculture
Soil Conservation Service

Weyerhaeuser Company, Box 315A, Tacoma, Wash. 98401

The Wilderness Society, 729 - 15th Street, N. W.,
Washington, D. C. 20016

The Wildlife Society, Suite S-176, 3900 Wisconsin Ave.,
N. W., Washington, D. C. 20016

World Wildlife Fund, 910 Seventeenth St., N. W.,
Washington, D. C. 20006

Zerox Corporation, Stanford, Conn. 06904

## APPENDIX V

## LOANABLE EQUIPMENT

THE FOLLOWING EQUIPMENT MAY BE BORROWED WHEN IT IS NOT BEING USED BY THE ECO-CENTER STAFF:

Aquatic Net

Backpacks, 12

Binoculars, 5 pairs

Butterfly Net

Camping Equipment to outfit 30

Canoes, 5

Clinometers, 3

Clipboards, 30

Hand lens, 10

Increment Borer

Minnow Seine

Rock Hammer

Secchi Disc

Sling Psychrometer

Soil Auger

Soil Test Kit, 2

Soil Thermometer

Student Field Compasses, 28

Walkie Talkies, 2

Water test kits - test for detergent, dissolved oxygen, carbon-dioxide, nitrogen, chlorine, phosphorus, softness-hardness

| CLASSIFICATIONS FOUND IN ECO-CENTER LIBRARY | | BOOKS | CUR. AIDS | A/V AIDS | KITS | GAMES | CHARTS | PHAMPHLETS |
|---|---|---|---|---|---|---|---|---|
| 001 | Community Resources | X | | | | | | |
| 002 | Innovative Programs Directory | X | X | | | | | |
| 010 | Director of Environmental Education Programs | | X | | X | | | X |
| 016 | Bibliographies & Catalogs of EE Aids | X | | | | | | |
| 069 | Museum Science | X | | | | | | |
| 092 | Critical Appraisal | X | | | | | | |
| 155.2 | Values Clarification | X | | | | | | |
| 301 | Sociology | X | | | | | | |
| 301.3 | Ecology & Community | X | | | | | | |
| 301.975 | Folklore | X | | X | | | | |
| 312 | Populations | | | X | | | | X |
| 333 | Conservation | | X | | | X | X | X |
| 333.9 | Utilization of Natural Resouces | X | | | X | | | X |
| 364.1 | Vandalism | | | X | | | | |
| 370 | Education (Environmental Studies) | X | | | X | | | X |
| 371.3 | Environmental Education; Curriculum Guides, Units, Methods & Activities | X | X | X | X | X | X | X |
| 371.4 | Guidance & Counseling | X | | | | | | X |
| 375 | Curriculum | X | | | | | | |
| 379.1 | Education & the State | X | | | | | | |
| 500.9 | Natural History | X | X | | | | | |
| 510 | Mathematics | X | | | | | | |
| 523 | Astronomy, descriptive | X | | | | | | X |
| 525 | Seasons, Winter | | | X | | | | |
| 526 | Mapping, Mathematical Geography | X | | | | | | |

CLASSIFICATIONS CONT.

| | | BOOKS | CUR. AIDS | A/V AIDS | KITS | GAMES | CHARTS | PAMPHLETS |
|---|---|---|---|---|---|---|---|---|
| 531 | Energy | X | X | X | | | | X |
| 549 | Rocks & Minerals | X | | | | | | X |
| 550 | Geology | | X | X | | X | | X |
| 551.2 | Volcanoes | | | | | | | X |
| 551.4 | Water | | | | | | | X |
| 551.5 | Air | | | | | | | X |
| 551.59 | Weather | X | | X | | | X | |
| 553 | Economic Geology | | | | | | | X |
| 560 | Paleontology, Fossits | X | | | | | | X |
| 573.03 | Environmental Science | X | | | | | | |
| 574 | Biology | X | | | X | | | |
| 574.5 | Ecology | X | | X | | X | | |
| 574.9 | Desert Ecology | | | X | | | | |
| 574.92 | Marine & Freshwater Biology | X | | X | | | | |
| 575 | Environment | X | X | X | X | X | X | X |
| 579 | Culture Leaflets | | | | | | | X |
| 581 | Botany, Poisonous Plants | X | | | | | | X |
| 581.5 | Plants | X | | | | | | |
| 581.6 | Edible Plants | X | | | | | | |
| 582 | Plant Identification | X | | | | | | X |
| 587 | Ferns | X | | | | | | |
| 589 | Non-flowering Plants | X | | | | | | |
| 591 | Zoology, Tracking | X | | | | | | X |
| 593 | Protozoa | X | | | | | | |
| 595 | Invertabrates | X | | | | | | |

CLASSIFICATIONS CONT.

| | | BOOKS | CUR. AIDS | A/V AIDS | KITS | GAMES | CHARTS | PHAMPHLETS |
|---|---|---|---|---|---|---|---|---|
| 595.7 | Insects | X | | X | | | | X |
| 598 | Birds | X | X | X | | X | X | X |
| 598.1 | Reptiles | X | | | | | | |
| 599 | Mammals | X | | X | | | X | X |
| 599.773 | Whitetail Deer | X | | | | | | |
| 614.7 | Environmental Sanitation, Pollution | X | | X | | X | | X |
| 614.8 | First Aid | X | | | | | | |
| 621 | Nuclear Energy | | | | | | | X |
| 628 | Sewage Waste Disposal | | | | | | | X |
| 631.4 | Soils | X | | | | X | X | X |
| 632 | Agricultural Pests, Pesticides | X | | | | | | X |
| 634 | Forestry | X | X | | | | X | X |
| 635 | Gardening | X | | | | | | X |
| 638.1 | Insect Culture | X | | | | | | |
| 640 | Home Economics | X | | | | | | |
| 640.73 | Consumer Education | | | | | | | X |
| 641.5 | Cookery | X | | | | | | X |
| 644 | Maple Products | | | | | | | X |
| 666 | Ceramics, Glass | | | | | | | X |
| 676 | Pulp & Paper Products | | | | X | | | X |
| 712 | Landscaping | X | | | | | | X |
| 713 | Trail Planning | X | | | | | | |
| 719 | Parks, Recreation Areas | X | | | | | | X |
| 719.773 | Illinois Nature Preserves | X | | | | | | |

| CLASSIFICATIONS CONT. | | BOOKS | CUR. AIDS | A/V AIDS | KITS | GAMES | CHARTS | PAMPHLET |
|---|---|---|---|---|---|---|---|---|
| 740 | Drawing; Decorative Arts | | | | | | | X |
| 745.5 | Arts & Crafts | X | | | | | | |
| 784 | Music | | | | | | | X |
| 790 | Environmental Games | | | | | X | | |
| 793.7 | Mathematical Games | X | | | | | | |
| 794 | Games | | | | | | | X |
| 796.1 | Nature Games | X | | | | | | |
| 796.4 | Physical Education Exercises | X | | | | | | |
| 796.5 | Backpacking, Spelunking, Walking | X | | X | X | | | X |
| 796.54 | Camping | X | X | | | | | X |
| 796.6 | Cycling | X | | | | | | |
| 796.9 | Ice & Snow Sports | X | | | | | | |
| 797.1 | Canoeing, Boating | X | | | | | | |
| 799 | Fishing, Hunting | | | | | | | X |
| 909 | History | X | X | | | | | |
| 912 | Atlas & Platt Book | | | | | | | X |
| 977 | History, North Central U.S. Mississippi Valley | | | | | | | X |